



## AR6473-RX, AR6473-MT, AR6473-LE

Access Control

### Card reader

Access control reader for contact less reading technologies in 125 kHz and 13.56 MHz frequency

- Access Control reader with CerPass reader protocol
- Vacuum-Fluorescent-Display
- Application with SiPass, CerPass and SIPORT

The card reader types AR6473-RX/-MT/-LE are part of the Prestige series in the awarded Access reader design. The readers are designed for access control application using CerPass reader protocol.

A 2x20 digit Vacuum-Fluorescent-Display allows to display 10 user specific information such as "Not valid" or "Enter PIN". In addition the reader is equipped with a keypad for PIN-code entry.

The Prestige readers are available equipped with reading modules for contact less standard technologies in 125 kHz (Miro, CerPass Proximity, Hitag 1 and Hitag 2), 13.56 MHz frequency (ISO14443A - Mifare®, my-d proximity) and 13.56 MHz frequency (Legic®).



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**IF Design Award Winner 2001**



### **AR6473-xx card reader for contact less reading technologies (125kHz and 13,56MHz)**

- Prestige card reader for access control application
- 2x20 digits Vacuum-Fluorescent-Display for displaying of 10 user specific information
- Information texts can be entered using the configuration tool (LAN interface)
- Firmware update using configuration tool
- Keypad, 12 keys: 10 keys 0 – 9, C and E key (function keys are not active)
- Card readers can be connected to the access control systems **SiPass**, **CerPass** and **SIPOINT**.
- RS-485 interface with CerPass reader protocol, reader address 1-15 selectable
- Supplied either via power supply unit of door controller / RIM or an external power supply
- Information to be read out of cards:  
SiPass and CerPass: max. 10 digit card information  
SIPOINT: max. 13 digit card information
- Tamper contact
- "Touch and Go" operation

### **AR6473-RX (125kHz)**

- 125 kHz technology
- Reading of unique ID number of contact less Miro<sup>1</sup>, Hitag1 and Hitag2 cards as well as the code of CerPass Proximity cards
- Reads the personalised ID-number of Hitag1 and Hitag2 ID-cards. The read ID numbers are not compatible with the ID numbers read by the card readers AR618x-RX.
- Reading distance up to 5 cm, depending on installation surroundings<sup>2</sup>

### **AR6473-MT (13,56MHz: ISO14443A)**

- 13,56 MHz technology
- Reading of unique ID-number of contact less ISO14443A - Mifare<sup>®</sup> and my-d proximity (SLE55R04, SLE55R16) cards
- Reading of personalised ID-number of Mifare<sup>®</sup> (data in sector/blocks of the Mifare<sup>®</sup> chip)
- Reading distance up to 4 cm, depending on installation environment<sup>2</sup>

### **AR6473-LE (13,56MHz: Legic<sup>®</sup>)**

- 13,56 MHz technology
- Reads the unique serial number of Legic<sup>®</sup> proximity ID-cards (Default setting)
- Reads personalised information out of a personalised segmented Legic<sup>®</sup> card. Set up parameters – segment number, LGH (Legic Group Header), format - has to be changed via the serial interface of the reader module.
- Initialisation of the card reader using SAM card
- Reading distance up to 4 cm, depending on installation surroundings<sup>2</sup>

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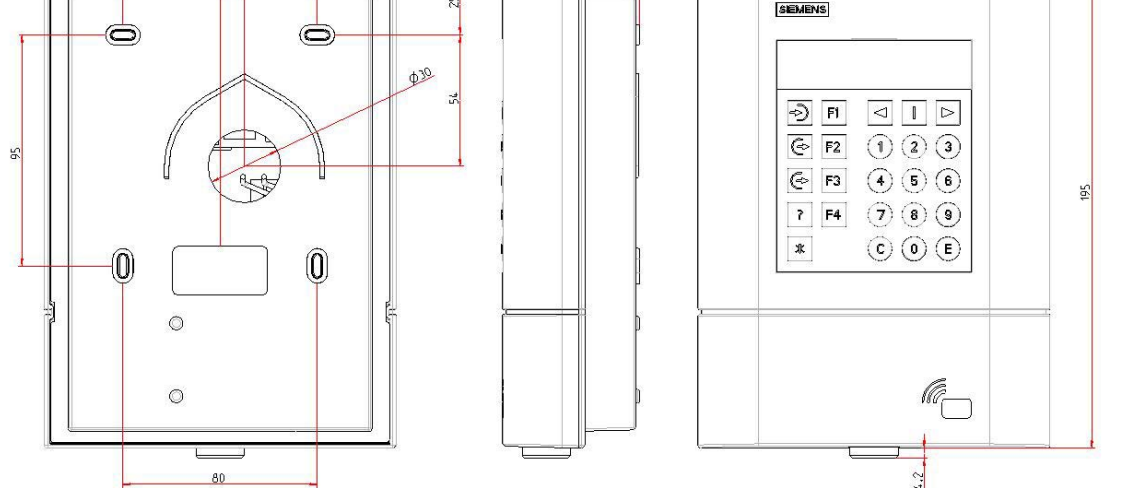
<sup>1</sup> Only in combination with SIPOINT systems.

<sup>2</sup> Depending of the used transponders (size, assembly) a decrease of the reader's range is possible.

|  |                |               |        |               |     |
|--|----------------|---------------|--------|---------------|-----|
|  | <b>CerPass</b> | <b>SiPass</b> |        | <b>SIPORT</b> |     |
|  | CC30xx         | DRI           | DC2000 | AC4000        | K24 |

|           |   |   |   |   |   |
|-----------|---|---|---|---|---|
| AR6473-RX |   |   |   |   |   |
| AR6473-MT | ✓ | ✓ | ✓ | ✓ | - |
| AR6473-LE |   |   |   |   |   |

A wall-mounting bracket with a 15° angle is available as an option.



## Technical data

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|                                     |                                                                                                  |
|-------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Power supply</b>                 | 10 – 30 VDC                                                                                      |
| <b>Power consumption</b>            | 5 W (24 VDC Power supply)                                                                        |
|                                     | 10 W (10VDC Power supply)                                                                        |
| <b>Interfaces</b>                   |                                                                                                  |
| RS-485                              | CerPass reader protocol                                                                          |
| 10Base-T                            | Configuration interface (RJ-45)                                                                  |
| <b>Fuse</b>                         | F1: T1000mA / 250VAC                                                                             |
| <b>Operating temperature</b>        | -20 to +60 °C                                                                                    |
| <b>Keypad</b>                       | yes, > 1.000.000 operations                                                                      |
| <b>Display</b>                      | Vacuum Fluorescent Display, 2 lines, 20 digits per line                                          |
| <b>Protection class</b>             | IP54, IP65 with gasket                                                                           |
| <b>Standards</b>                    |                |
| <b>Conforming</b>                   | to VDE 0830 i.e. separate door control unit with power supply, detached from the reader terminal |
| <b>Dimensions in mm (h x w x d)</b> | 195 x 150 x 56                                                                                   |
| <b>Colour</b>                       | similar RAL9006, white aluminium                                                                 |
| <b>Material</b>                     | PC / ABS plastic (injection moulding), varnish                                                   |
| <b>Relative humidity</b>            | 95% (non condensing)                                                                             |

## Details for ordering

| Type       | Part no            | Designation                                                                                                                                                                                                | Weight  |
|------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| AR6473-RX  | 6FL7174-8AB        | AR6473-RX – Contact less reader for access control and time recording, with vacuum-fluorescent-display, PIN-code keypad, for card technologies Miro, CerPass Proximity, Hitag1 and Hitag2 (125kHz)         | 0,61 kg |
| AR6473-MT  | 6FL7174-8AC        | AR6473-MT – Contact less reader for access control and time recording, with vacuum-fluorescent-display, PIN-code keypad, for card technology ISO14443A: Mifare® and my-d proximity SLE55R04/16 (13.56 MHz) | 0,61 kg |
| AR6473-LE  | 6FL7174-8AD        | AR6473-LE – Contact less reader for access control and time recording, with vacuum-fluorescent-display, PIN-code keypad, for card technology Legic® (13.56 MHz)                                            | 0,61 kg |
| ARZ6600-PS | 6FL7172-8DA        | External power supply 12 VDC / 10 W in a aluminium housing                                                                                                                                                 | 0,8 kg  |
| ARZ6600-W1 | 6FL7172-8DD        | Wall-mounting bracket 15° angle for reader AR6543-xx, AR664x-xx, Zincor steel, varnished                                                                                                                   | 0.2 kg  |
|            | 6FL7195-3QC02-1EN0 | Miro card, white, blank (100 pcs.)                                                                                                                                                                         |         |
|            | 6FL7195-3AU02-1EN0 | Hitag1 card, white, blank, uncoded (100 pcs.)                                                                                                                                                              |         |
|            | GBQ:507024         | DZ3022 proximity card, white, blank                                                                                                                                                                        |         |
|            | 6FL7195-3VU02-1DN0 | Mifare® card, white, blank, uncoded (100 pcs.)                                                                                                                                                             |         |

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